Project No. W-____-____-

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER
TECHNICAL REVIEW FORM

DISTRIBUTION STORAGE
(N.J.A.C. 7:10-11.11)

_____	_____	_____
Water Purveyor	PWSID#	Municipality

Type: ❒ Elevated Tank ❒ Underground
❒ Standpipe ❒ Pneumatic
❒ Ground

Material: ❒ Steel
❒ Concrete
❒ Other _____

Dimensions: Height: _____
Diameter: _____
Length: _____
Width:

Base Elevation:
Overflow Elevation:
Highest Elevation to be Served:

Total Capacity: _____

Effective Capacity:

	YES	NO	N/A
1. In systems which use storage to maintain system pressure, is the storage facility designed to maintain a minimum pressure of 20 pounds per square inch (psi) at street level under all flow conditions?	❒	❒	❒
2. Are there any common walls between finished water and untreated water?	❒	❒	❒
3. Is the storage tank equipped with an overflow and a low level warning alarm?	❒	❒	❒
4. Are there means to determine the water level in the storage tank?	❒	❒	❒
5. For storage tanks over 100,000 gallons, is a level recorder provided?	❒	❒	❒
6. Is the storage facility designed so as to permit dewatering of the tank for cleaning and maintenance without interrupting service?	❒	❒	❒
7. Is the facility protected against unauthorized access and vandalism as required pursuant to N.J.A.C. 7:10-11.6(g)?	❒	❒	❒
8. Is the facility provided with a suitable cover or roof?	❒	❒	❒

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	YES	NO	N/A
9. Is the roof of the facility well-drained and designed so that drainspout pipes do not enter the reservoir?	❒	❒	❒
10. Is the facility equipped with securely fastened access manholes and scuttles located at least 6 inches above the roof for above grade facilities and 24 inches above grade for underground facilities?	❒	❒	❒
11. Are vents, which are equipped with down-facing elbows or mushroom covers and insect screens provided? Do the vents terminate a minimum of 24 inches above the roof or surrounding grade?	❒	❒	❒
12. Do all coatings which will come in contact with finished water meet the requirements of N.J.A.C. 7:10-8?	❒	❒	❒
13. Will the facilities be disinfected prior to being placed in service in accordance with N.J.A.C. 7:10-11.6(d)?	❒	❒	❒
14. Is cathodic protection provided?	❒	❒	❒

Below Grade Storage Facilities

1. Is the facility designed, located, and graded to be secure against uplift and entry of underground and surface contamination?	❒	❒	❒
2. Are any sanitary sewer lines located within 100 feet of the facility?	❒	❒	❒
If so, is the sewer line constructed of steel, reinforced concrete, cast or ductile iron or other suitable material and has the line been tested for water tightness?	❒	❒	❒
3. Are any sanitary sewer manholes or lateral connections located within 100 feet of the facility?	❒	❒	❒
4. Are storage tanks located in an area with a high water table equipped with a double containment system that includes leak detection equipment?	❒	❒	❒

Above Grade Storage Facilities

1. Is the facility equipped with an inside or outside ladder to permit inspection?	❒	❒	❒
2. Is the riser pipe protected against freezing?	❒	❒	❒
3. Is an overflow which terminates no less than 6 inches nor more than 36 inches above the ground provided?	❒	❒	❒

Hydropneumatic Storage Tanks

	YES	NO	N/A
1. Is the tank located above ground and enclosed completely in a building?	❒	❒	❒
2. For systems using only hydropneumatic tanks for storage:			
a. Is the total capacity of the wells and pumps at least 10 times the average daily demand of the system?	❒	❒	❒
b. Is the gross volume of the tank, in gallons, at least 10 times the capacity, in gallons per minute, or the largest well and\or pump?	❒	❒	❒
3. Is the tank equipped with a pressure relief valve and a vacuum relief valve?	❒	❒	❒

***Submit appropriate engineering plans, specifications, reports, etc. to substantiate your answers. ***

I hereby certify that answers provided herein are accurate and reflective of the project being considered for approval.

_____

Signature of Engineer Date N.J.P.E. #
Professional Engineer's Embossed Seal

Type or Print Name of Engineering Firm

(01/99)